ICG

MFGStream Platform – What's New!

Bridging the GAP
Beyond Fourth Shift ERP

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Agenda

- **Introduction – Speakers & ICG**

- **Past**

- **Present**

- **Future**

- **Wrap-Up**

ICG MFGStream

Introduction

- **Keith Vincent,** Evangelist, MFGStream

- **Jason Hunt,** Senior Consultant, ICG

- **Roger Weidel,** Director of Sales, ICG

VisiBar & VisiWatch are products of Infor. I do not represent or work for Infor.

LabelMatrix is a product of Teklynx. I do not represent or work for Teklynx.

This presentation contains my thoughts and opinions based on over 35 years of experience with hundreds of installations of data collection, Process Automation and ERP for manufacturing companies.
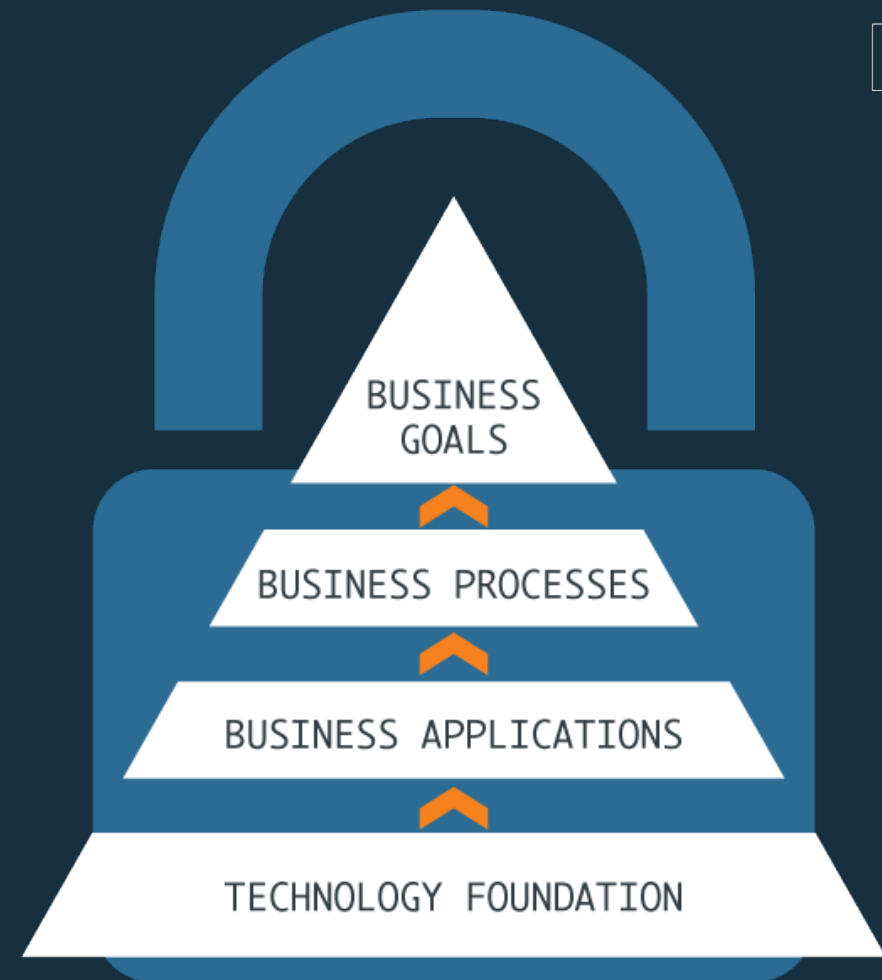
The ICG Approach

Technology plays a crucial role in the success and operations of businesses across all industries and sectors.

A solid **technology foundation** delivers your **business applications** when and where you need them. These two combined implement your unique **business processes** allowing you to reach your **goals**.

BUSINESS GOALS

BUSINESS PROCESSES

BUSINESS APPLICATIONS

TECHNOLOGY FOUNDATION

ICG

Value We Deliver

ERP Solutions

One-Stop-Shop:
- Sell
- Host
- Develop/Customize
- Implement
- Optimize
- Upgrade
- Train
- Provide professional services for Visual ERP, Acumatica Cloud ERP, and Fourth Shift ERP

ICG

IT Services

We Do What It Takes:
- We provide end-to-end IT services and technology solutions for small to large-sized businesses:
  - Managed services
  - Cybersecurity
  - Business Intelligence
  - Backups & Recovery
  - … and more
- We consult and we partner
- IT Provider Since 2004

MFGStream

www.ICGTechnology.com

History

And you may tell yourself, "This is not my beautiful house"
And you may tell yourself, "This is not my beautiful wife"

And you may ask yourself, "Well, how did I get here?"

Once in a Lifetime - Talking Heads

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History

Mid to late 1980s

1903 Wright Flyer

History

What was so innovative about VisiBar for 1000+ companies to buy it?

VisiBar supported any device and Business System

- Not locked into a single device manufacturer or type
  - **Many hardware brands, Calipers, Shop machinery, ...**

- Not locked into a single ERP solution
  - **Fourth Shift, Visual, ...**

- Single transaction integrated with multiple Business systems
  - **ERP, Quality, Genealogy, ...**

- Simple multi user development
  - **Write scripts that run on multiple different devices concurrently**

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History

What was so innovative about VisiBar for 1000+ companies to buy it?

VisiBar allowed you to create custom business logic

- Real Time NOT BATCH
  - **Prior solutions (DataMax/Colog etc) were all batched – VB was first real-time for FS**

- ERP's don't do everything the business needs or wants
  - **Some processes are needed to cover ERP short-comings or lack of flexibility.**
  - **Embed your secret sauce in code. Unique to your business. Repeatable.**
  - **We see ERP as the 800 pound gorilla in business – but there is more than ERP.**

- Business, Processes, & Technology are ever-changing
  - **Being nimble about processes enables companies to stay competitive.**

- Simple is BEST!
  - **Eliminate confusing ERP user interfaces. Replace with business process** transactions

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MFGStream

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MFGStream

What does MFGStream give us?

- Supports VisiBar scripting
  - **Can run VisiBar scripts as is. Protect the investment you have in VisiBar scripting logic. Does everything VisiBar did and more.**

- New VBA scripting
  - **Can use a modern procedural language. Very common as used on all MS Office products. Easy to find people who know it, books, and example code on internet.**

- Multi Processor / Multi Threaded/ Newest OS
  - **Supports the latest MS OSes. Multi processor, full RAM, and MULTI THREADING.**

- Supports alternate ERP and other Platforms
  - **We support you using whatever ERP and other systems best serve your needs.**

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MFGStream

What does MFGStream give us?

- Modern Devices
  - **Support for latest devices including Android**

- People who know and love it developing and
  - **MFGStream and ICG have extreme de** ... **e know what it can do and how to support it.**

- Easy integration
  - **Supports web services and other new**

- Continuing product development
  - **New features and enhancements being added continuously.**

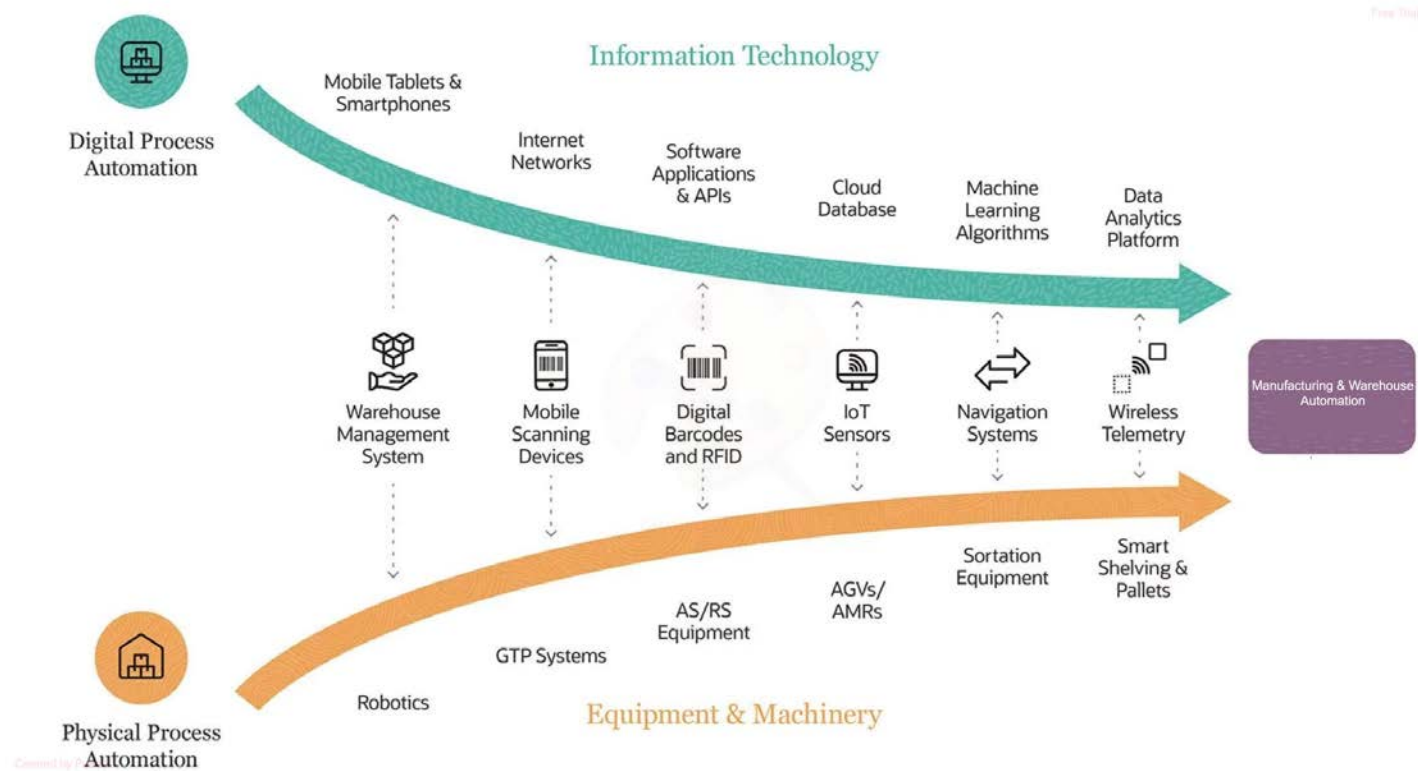**Quote from IT director 1 year after switching from VisiBar to MFGStream.**

"MFGStream has been infinitely better, more stable and faster than Visibar"

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Fourth Shift & Acumatica Base Scripts

- Standardized scripts that can be run Out-of-the-box

  - PO Receiving – PORV

  - Inventory Move – IMTR

  - Issue Material – PICK

  - MO Receiving – MORV

  - Stock Inquiry – SSII, SSIL

  - User Login/Security and Menu System

- Customizable, if desired

Manufacturing & Warehouse Automation

Manufacturing & Warehouse Automation Example

Warehouse Automation Example

MFGStream Demo

MFGStream Demo

Lockheed Martin F-35

MFGStream - Next

NASA SLS rocket

MFGStream - Next

What's Next?

- IOT Support
    - **Integrated support for Azure Internet of Things.**

- VisiWatch Conversion
    - **Tool to allow most VisiWatch scripts to run unchanged or with very few modifications.**

- BPA integrated with MFGStream
    - **Runs BPA (VisiWatch) on same computer as MFGStream using common scripting engine/language. (Already Here!)**

- RFID
    - **Integration of full line Zebra RFID products (portable and stationary).**

MFGStream -

What's Next?

- More online Help
  - **Adding to the e**
  - **MFGStream spe**
  - **and examples**

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File | file:///C:/Users/keith/AppData/Local/Temp/Tempeb509d00-d0c4-46b4-9ad0-acd82fefa43c_MFGStream%20User%20Manual%20-%20embedded%209-13-2023.zi...

y the ton   airSlate - Documen...   Free Online SQL Fo...   ACUMATICA USA I...   VBA Block Editor | V...   Power Apps – ediv...   Firebase console   Firebase Database...   View Ticket-USR Te...   VisiLearn ZPL | Home

Registering A Terminal

1: Select a server in the server list to highlight it and display a list of devices.

2: Click the + button above the device list, this will present the "add device" dialog.

1 used of 1 Licensed

Device Type	Device Name		
TEST	Test Terminal	✏	🗑

3: Select a device type and enter a name for the device

NOTE: The "Test" type identifies this device as a "test terminal" for the selected server. The "VBTCP" type identifies this device as a data entry terminal.

New Device Type   VBTCP
New Device Name

Cancel   Add

4: Finally, select the "Add" button to finish adding the device to the subscription.

Business Process Automation Subcription Management

Business Process Automation with MFGStream can take many forms and supports multiple trigger types such as: File Watch, File Line, Interval, Email, HTTP Requests.

BPA Events:

File: Watches for file events within a specified directory and according to a specified file type/name filter to trigger a specified script.

Line: Watches for line additions, according to a selected line delimiter, to a specified file to trigger a secified script.

Interval: Defines a recurring interval used to trigger a specified script. This event type can also be used to trigger a script at a specific time.

MFGStream - Next

What's Next?

- Acumatica Integration
  - **Acumatica base transactions are finished and we are building a library of all the common ones.**

- ZPLBlocks
  - **No more need for Label Matrix or other designers.**
  - **Printing labels from any device is now within license scope.**
  - **Simple easy designer tools. Just what you need for manufacturing labeling.**
  - **No more complex obfuscated ZPL code.**
  - **No more lost labels or label formats.**
  - **Online web browser interface (no more RDP issues).**
  - **Fully integrated with MFGStream.**

NASA SLS rocket

MFGStream – ZPL Code (simple wins)

NCM

```
^XA
^CW1,DOWNLD1
^CW2,DOWNLD2
^CW3,DOWNLD3
^CW4,DOWNLD4
^COY,0^MMT^MD+20
^XZ
^XA
^PR1^FS
^FT340,107^A0N,102,80^FDNCM^FS
^ISSTRNWARE,N^FS
^XZ
^XA
^ILSTRNWARE^FS
^PF0^FS
^PQ1,0,0,Y
^XZ
^XA
^IDSTRNWARE
^XZ
```

```
^XA
^PR1^FS
^FT340,107^A0N,102,80^FDNCM^FS
^XZ
```

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NASA SLS rocket

MFGStream - ZPL Blocks Demo

NASA SLS rocket

Questions & Discussion

www.ICGTechnology.com

THANK YOU

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Thank You